Story of Putumayo -

To buy -

Droz y Patria Tomo II
Carlos J. Infante 1939
Ed. Minerva, S.A.
Bogotá

Fray Jacinto M. de Quito
"Miscelánea de mis treinta y cinco años de misionero del Caquetá y Putumayo." Ed. Aguila, Bogotá
"Primera parte" 1938.

~~Viajes~~ Apostolicos Ht. of Boca S. Miguel officially 314 m. above S. Lev. p. 274.

Coca from Stats a
slightly sweet taste

Diary

[redacted]

My Diary

Squirts more blood -
30 per beat

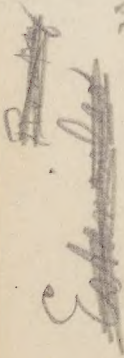
Igaraparaná 1½ days from
Chorrera Vapado Canoe at
bend de Raisidja. Rio 8 ft.
deep 200-250 ft. wide.
Laguna 400 m. wide at Chorrera

Chorrera 380 meters

1st Quebrado 4 hrs from str.
on Rt. Nonóké — Large but
narrow. Nav. canoe

Igaraparaná large canoe
26 ft. 4 bogas 11 days Chorrera. Small canoe 8 days.

2nd Quebrada Guerridjadja
4½ hrs. on left bank
Small mouth



2. Raisidja large 50 ft.
5 hrs rapids
near R. Mensje Rio is 450 ft wide
50-75 deep

River

Affluents

Harbours depth;
Banks etc.

military stand point

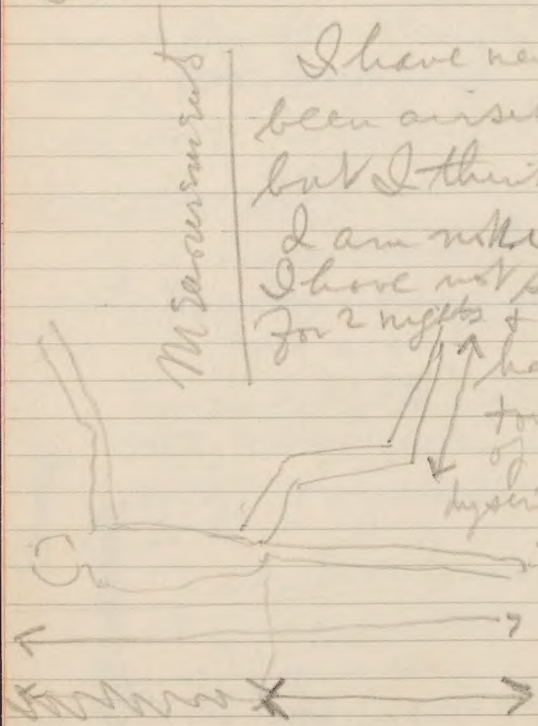
a Bird of route diary.

- Bloods: if possible

Iguaçu Paraná -
Chimeara and
~~Pointers~~ Arica
Otuke Encarnacion
Itaucca y Asu

8 2nd day 2. Hai or st. smell
Maino - Chira Bajando
10 Nobles 2. Barokalee. Rt. Med.
Cont 3 pp

I could have gotten at least 6 knots on last trip.



Dr Bugbee wants
monkey specimens.
Can you salt
some pelts and
prepare the skulls?
I have only done it
in laboratory. It means
more equipment.
Yes I
Just salt. Can do it.
Only skin + skull?
What purpose is served
identification.
Measurements.

#47

4) Washing day at Solano, Ives
on Coquita, Equus

Conjugate.

yarumo –
mwa ku ha ró'
coco se-pee-yé'

olla leaves dried
olla for ashes yarumo
mortar + + pestle (da ru-wé')
for mixing 2
D
huesoco.

yoco sine
yajé sine
bitter
hops (de palo bastarco
Lench,
Phyllanthus,

Florentino Vezga

La Expedicion Botanica
Biblioteca Aldeana de
Colombia
Seleccion de Samper
Ortega # 48
Edit. Minerva. 1936
Bogotá

Botanica de Mutis

2. Mensaje 66 - 1 55 ft wide 2nd day at 10 30

3 2nd day at Providencia

Bon Providencia

9 2nd day Tree Espumas

here river is 800 ft. wide.

750 ft.

may 5

may 6

Hotel	3.50
Baggage	7.00
Train	9.00
Bus	5.00
Tips	1.20
Shine	.20
Theatre	
meals	4.90

May 9

Tea .70
Ice cream .50
Theatre 1.80
Shoes .20
Tram Taxi .20
3.00

May 10

Pics 7.00
Taxi .35
Dinner (Marcel) 1.00
Theatre 2.50
Taxi .60

May 11

[illegible]	.80
[illegible]	2.00
[illegible]	3.50
[illegible]	.46

May 12

Tea	.70
Theatre	1.20
Dinner	2.00
Hat	7.50
Knives	3.00
Canvas	5.00
Trains	.40
Trail	.30
Tapi	.65

May 13

May 14 - 15

Board	21.00
Taxi	.65
Tip	.50
Chocolate	.60
Canned goods	39.00
Photos	5.90
Development	5.50

Quebrada Caucayá, May 18
3770 Musa with dejatoka

3771 Theobroma. Small tree. Fruit pods chocolate, but used only to eat flesh. Tree about 12 ft. high.

3772 Herrania. Tree about 15 ft. tall. Trunks thick, at base some 4" diam. Flowers large, deep purple-red in all parts.

3773 Solanum Bush.

3774 Piper. Large bush.

3775 Scandent vine. Fl. white, fragrant. Along river edge.

3776 Scandent vine along river's edge. Fl. yellow.

3777 Fruit vine. Fruit green red.

3778 Cecropia. Large tree, 35 ft. tall.

3777 Large palm. "Chonta" "Pambon". Twenty metres. Trunk 2½ m.

3780 Wild cacao. Tall tree, 40 ft. tall.

3781 Small tree.

3782 Small tree. Cochineal ant.

3783 Ricinus "higuerilla"

3784 Large tree. Fl. yellow.

3785 Small cucurbit. Fl. yellow.

3786 Small tree about 12 ft. Fl. reddish.

3787 Small tree or shrub. Araceae.

3788 Extremely large Ficus. Diam. at base 15 ft. At least 80 ft. tall. Tigueron. Leche for worms & purges. Month of Rodman's

Hong Kong Peninsula.

3797 Lonchocarpus. Cult. in gardens, Tucson.

3798 Casimiroa. Sp. fruit tree cult. in all Mid. gardens. Small tree. H. yellow-green.

3799 Cult. bush for painting body black. Pitt Harbor.

3800 Fa-ü-ka-tō. Yuca to make cakes, soups, etc. 2 months.

3801 Yuca dulce, To cook ah-ju-ca-tō 6 months.

3802 Yuca brava, hui see' tō 1 year. To make cassava.

3802 Alternative Cedrela for
Eruption cattle. "Fee-la-ma
ka" - na "Cedrela". Tetrafuga.

3804 "Ne-ma-na-ga" Hyperchloro
in chickens.

3805 Chelonanthus. Fl. yellow-
green. "Ho-ko-no-go-no".
To wash wounds. Leaves

3806 Tree. along waters edge.
Fruit used to knit body black.

3807 Yellow Cassia. Large bush
along waters edge

3808 Leaves in fruit. Stimulant

3809 Vanilla. Vine in fruit. Fl.
yellow.

3810 Fossil. Large shrub.

Myrcia splendens vel aff 3876

3811 Very tall tree in forest along inland edge.

3812 Large bush along water's edge. Flowers rose-pink inside, dusty white outside. 10 ft. tall. Spreading.

3813 Orchid. Sp. Cypripedium guttatum. All ft. lilac, like fringed-lilac. Indicate.

3814 Red legume flower. Medium bush in swamps. Uniate.

3815 Large ovate bush. Fl. white, fl. fragrant.

3816 Large bush, fl. white.

3817 Tall tree in forest. Fl. dusty brown, showy.

3818 Ficus. Tree about 12 metres tall, growing along shores of Kaapadaha 5 Km. above Encanto + in swamps. Bark smooth, light brown-grey mottled. Diam. at base 8–10 inches. Contains white, sticky latex. Used by Hualtoto for "culebrilla", athletes foot, fungal infection between toes. Hualtoto name - bē'-o. Photos Schultes 54-5; 55-9; 55-10. F. Nicéforo Sy.

3819 Very tall - 15-18 m. tree with drooping yellow flowers. Fragrant. Covered with nuts. Along river + in swamps. Diam. trunk at base 1 ft.

3820 Small tree. Fr. yellow. Fruit juicy. In wet swampy places & river edges.

3821 Cecropia. Small tree, never more than 20 ft. tall. Appearance different from that of Putumayo. Huitoto name [illegible] for sake of coca "yarumo" "yarumillo" Iw = yō-ra-ña.

3822 Tillandsia. Bracts rose-red. Sp. in trees.

3823 "Ortega". Bush. Used by Witotos as counter irritant for rheumatic pains.

3824 Cacao. Tree 12 ft. tall, spreading. Uncultd.

3825. Small tree in forests. 15-20 ft. tall.

3826 "Uva". Tree 25-35 ft tall. Cult for ed. fruit.

3827a mulberry bacin
fruit a tea appetite stimulant

3827 Sapind. vine. Fl. white
Fruits red with seeds en-
veloped in white pulpy.

3828 "Milpesillo" Graceful palm,
appros. 50-60 ft. tall; Leaves
3-4 m. long.

3829 Bush. Fruit like peach.
Forest. or wild orange

3830 Ulmaceae. Low tree or
tall bush. River edge.

3831 Small tree. Fruit red with
blackish blue seeds. Along
River-sands.

3832 Ficus. Fruit mang-
rad. Tree 60 ft. tall. Includes
Balsiony leading into Kara-
paramá ~~valley~~ Caburn &c.
+ Port of Spain.

Δ^{n-1} [illegible]

$3\binom{n}{2}\alpha\alpha - \beta^{n-1} = 0$

Omnes radices variabiles

3833 Tall tree — up to 20 meters. Diam. at base 10 inches Pods deep red. Bark smooth, mottled brown + grey. Wood soft, yellowish.

3834 Sp. fern on tree trunks.

3835 Low fern. Hft. tall Frond 3 feet long. Medicinal.

3836 Found in forest. Fl. yellow. Fruicite

3837 ~~[illegible]~~ Calathea. Fruicite. Medicinal. w = sa-ll-ko'-ma

3838 " Fruicite. Climbed Cacao. Bark rough, black. Wood soft, fibrous. Gum sticky, milk, white. 20 m. Diam of [illegible] up to 2 ft.

3839 "Juniper" "Cedar". "Wacholder" Juniperus sp. nahestehend. Syst. [illegible] Linné W = bo - ko ö - ö

3840. Hevea. White latex. Very tall tree. Brasilien. 1-2 ft. "Gummi" "Caoutchuc" "Seringa" W = hee - sö - rö

3841 Tall tree. Drain trunk 1½ ft. HT. 30 ft - 40 ft. Fl. Irregular, yellow.

3842. Small tree. Latex Brown yellow. Euphorbiaceae?

3843 Pinon Small tree. Purge - acrid.

3844 Solanum. Large bush. Fl. blue. Solanaceae.

3845. Sp. nov. id. Shrub Fl. cream yellow. Like white. Fragrant.

3846 Tall slender tree. Quatteria.

3847 Cereus "candelabra" Shrubby habit. Grows high up & then arching down. Local name.

3848 Shrub. Fr. blue black.

3849 Small tree. Fruit red, 1 seed. Fine P-1/2 Nat. Cordoba.

3850 Sterile Cannaceae leaf Stems basketry. Photo.

3851 Chamaedorea Sterile Stems basketry. Photo

3852 Small tree by river side.

3853 Vine at river's edge.
Fruits yellow.

3854 Low tree or large bush,
Swampa.

3855 Vine on tree trunks in
forests. Bracts brilliant
red, fl. yellow. Gesneriac.
Leaves succulent. Medicinal
for fevers. Huitoto

3856 Fern. Sp. Pinnicate.

3857 Inga. Cult. in Encanto.
"Guava machete" Low tree.
Fl. white. Pod long. Pulp
edible.

3858 Badia Photo #
Passyflora. Very heavy vine
Cult. Fl. Sep. yellow green. Pet. lilac.
Anthers purple.

3859 Large bush. Escaped.

3860 Ficus. Fruits red orange, small, exuding sweet liquid. Leaves + wood abundant white sticky milk. Tree 40 ft. tall in forest. Path Enc to Chorrera near 10 Km. El Enc. Drain trail. [illegible]. 8-10 inch.

3861 Water Jungle swamp along Rio Karaparaná, Amazonas 2 miles above El Encanto. May 23, 1942.

3862 Water Rio Karaparaná, at El Encanto, Amazonas. May 23, 1942. Near shore, muddy bed, slow current.

3863 Water From Bromeliads in tree jungle along Rio Karaparaná 5 m. north of El Encanto, Amazonas May 24, 1942, Bromeliad = Schultes 3822

Jessenia polycarpa Karst.

Mauritia minor Burret

3864 ~~Euterpe edulis~~ Milpesos
Stout palm. Trunk smooth,
basal diam 1½ ft. Tree 16
m. tall. Leaf. 7 m. long.
Swampy forests.

3865 Camanguche - Leaf-cite.
Large, Frondlets 6-8 ft.
long or longer. Petiole 9-10
ft. long. Tremendous trees
up to ~~80~~ 70 ft. Basal diam.
1½-2 ft. Trunk smooth.
Fruit heavily laden. Leaf fan
shaped. "Camanguche" also
~~3865~~ in Witoto. Quebrada
Borucheya

3866 Bush of swamps. Fruit
fall & red brown leaves, but
with a blue green sheen
through them. Bush 8 ft. tall.

3867 Bush sprawling, about 6 ft. tall, common all along Kaiapaana. Fr. green. Often without leaves, but covered with fruits.

3868 Ep. orchid. Fl. Yellow, spotted brown. Fragrant. Cereal rota with spines.

3869 Spiny palm, common all along Kaiapaana. Leaf 7 m. long. Petiole & midrib very spiny. Edge of leaflets with minute spines. Fruit raceme 2 m., pedunde spiny. Tree 10 – 15 m. high. Swamps and along river edge. Photos. # Fruit yellow when ripe – not used. "Quiningui" Hiitoto = to-uü'-ine.

51-11
51-12
56-5

PLANTAE COLOMBIANAE

AMAZONAS

No.

Nombre Huitoto:

Río Igaraparaná, entre La Chorrera y la Quebrada Menaje alt. 170–180 m.

Coll. RICHARD EVANS SCHULTES

Det.

13–15 junio, 1942

3870 Buch along edge of swamps.

3871 Yellow Asclepias. vine

3872 Chondodendron. Trees around Indian houses. About 30-40 ft. tall.

3873 Tree 30 ft. tall. Fruit Green.

3874 Medusin vine on tree along R. Igarapé-mirim at Tschoucua June 1912

3874a Curouma

3875 [illegible]

3876 Small [illegible]

3877 Tall [illegible]

Astrocaryum Murumuru Mart.

Geonoma paniculigera Mart.

yeˊ - ro - eˇ

3888 Swalltree. Bunkwood
ca majagua. Hö rö'ga
Steele

~~Hyp~~ Hyospathe elegans Mart.

3889 Wash Geoner. Amb. Photo
56-11 & 12.

3890 Tawtoba, [illegible]

3891 Ro dee-naw-gè-ñò
Tall Amb. Fl. yellow.

3892 [illegible]

3893 [illegible]

3894 [illegible]

3895 [illegible]

pause

no - no' - nrĕ

- kĕ - nĕ' - kĕ

- Ko-mai'-hé
ear finite cooked.

- no hay

- Sama

- ta-ño

- marraco

Transitive to things
(talk) ti-ai-mo

-s form

perfective subject -fu-kai-ño

Also add particle to the
transcriptions
(Cha-ni'-ñi)

-se-ssă-rĕu

te'-bu

Sun "sil" R

Subject more pictured & can
confounded. First part
a bat in Mayan then
coca. Both of this
bound to "sil" - "cha-
ju'-bae'

to-jwă'-bjĕ

Plan a
pain'ka-
ri'-ma'
for the
1st. Ha-mi-
o in another
pain, a
Chamorro
for the
main
house,

hee'-mĕ-te

pepino -

Chewed or to make Cocada, cook - Coca. Also sleep

Also put in [illegible] Coca - [illegible] called

Also put in tapa de aguacate to boil with tobacco 2 for ollas.

Tobacco (see ff.)

White tobacco not used, chewed but ground! It is not cooked or roasted. Made from green leaves only. Cohiba are mixed with [illegible] to be put on the tongue before coca is chewed. Also used alone. Cohiba has a strong, pungent flavour, burns the tongue.

Used by: most Some women, but woman do not use Coca.

Made when: anytime

Coca used: ö - ac' - aro ac Name fulo yarinj cohiba,

Eaten or not eaten: [illegible] Not much [illegible] used. Cohiba

A gift: [illegible] Then it is used put in after tobacco and [illegible] made. Also name of cacuaje.

Ceremonia: no

Menses pst: mĕ - t'ĕ' - dje'

Witoto [illegible]

[illegible] Then the chicha are separated from the liquid more water is added [illegible] secondly from yuca chicha and this again boiled down to a thick paste. It is applied to cracks & the feeds with a stick.

Achiote not used among Witoto for food, only very occasionally as a paint.

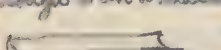
Chicha de cananguche is a very thick, sweetish liquid. The skin (scales) + flesh of the fruit are scraped off, leaving only the stone. ~~[illegible]~~ This operation is done after the fruits have lain in water frequently heated until soft — about a day. The meat and scales are kneaded with fingers in a trough into a thick homogeneous paste. This paste is then

The canangueche is to be seen [illegible] with the Lemas dried & spread in shade - Photos 54-6, 7, 8.
Diaz's note from the preparation of chicha from it.
A chicha de Chontaduro also used.

Phot. 62-6, 7, 8.

[illegible] Usually done at night, but not always for it needed constant attention to keep the pot absorbing. Then when it has boiled 7-10 hrs. or more & has cooled, the leaves of tobacco are removed by hand and squeezed to express all the juice. This is then concentrated to the thick liquid seen. A pot full of water and a cenacle of leaves yields a marrako pot full of finished product - a pint (cuarto in Sp.) kept in botellas covered with [illegible]

The cava is much more used here among other [illegible] the roots are gathered and cut into pieces about 4 inches long. These are often decorticized. They are put in a pot of water which is then heated, but not boiled. When heated, it is put aside to soak overnight or longer. In morning, the roots are washed in a wooden trough with a masher with a rotating motion.



Masher of wood dark. This mash, yellow, etc. is put in a metate and given a violent pounding treatment. The metate is about 15 ft. long, of a tough tropical fibre tank wood.

Pouroma cecropiaefolia Mart.

The water jar is filled with sand and the
filling is begun from the bottom end up—all
buried in the ground. Then, when completely filled,
pretty well packed and an inverted dish of wide ledger
is found, a square and large water jar is started
end. It is pressed below the regular bottom, and
with a long over stick. Round + round, tighter
and tighter until finally all the H2O possible
is extracted. Considerable force needed. The
water, percolates, is thrown away. The water jar
is taken down, lain on ground + pinned. The
particularly bright sand is removed + left in a
dish. Done by the end, it is powdery, yellow-
white flour but with very fine + delicate
texture. In this manner, it is obtained through several
meshes, sieves (Landerrivier) stones. The product
is flour for cassava, a fine white powder. To
make cassava, this flour is put [illegible]
[illegible] with [illegible]. This [illegible]
is put in [illegible]

Plaster for bruises, sores. mo-nai'-ge

"añamo" another
most common

Paint fruit, inside & part with
ochre-ite flesh. te-ko"-ma

Varieties of pomiferous:

Type I

Plates 60-10; 60-11 Most common kind. A very large

and extremely sweet fruit, said to be the sweetest of the region. Plate 60-10 - Length 12½", diam. 6"; circum. 17½". Each fruit when ripe a golden light reddish-brown, translucent as long as the fruit when it is ripe. Elongate. Diam. near top 2½". Stalk strong, 1½" diam near base of fruit. Top finely spinose-setose. Calyx entire.

Sloping land [illegible]
mineral. Soil here pourous, a whitish
& reddish loam underlying volcanic stone, easily
disintegrated. Soil thin, little veg.
cept conifers. Climate rainy. Sept.
temperatures, in one day, from
40°C to 12°C. Mostly need 1 yr.
to form fruit.

Make a chicha of pink Fruit
fruit in jar. When soft, plunge
in cold water, then with hands
squeeze out juice, then drink.
Not left to ferment (?) Pro-ess
be in the drink.

Pursue me of the Maple foods of the
Huichol.

Type 2

Nauv - Kaw - Kaw - ee

A weather type. Heavy fog low or a bit wild. Long 7"; wind 5"; pressure 15½". When wife finds a deep reddish-purple. Bracelets usually longer than spindle fruit type 1 or 2 in width. Meat

dull appearance when nearly the same time as top of fruit some dark as rotten. Fruit nearest spherical all three, a flapper type. Fruit stalk up to 1" thick.

Plates 61-1.
61-12

Type 3 Photos 61-6; 61-2

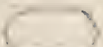
Nuv - Ka - Nee

Hyperbolic color, but smaller fruit is much longer than

Photo 4x - 12m

fruitlets. Sweet but slightly acid.
Stuck up on 1" stem [illegible],
Drain. [illegible] 4"; [illegible] 1 5/8"; length
of [illegible]

Type 4
[illegible] [illegible]. [illegible]
[illegible]. [illegible]. [illegible]
[illegible], [illegible]
[illegible] [illegible]
[illegible] 5"; [illegible] ; [illegible] 1 1/2"



[illegible] 3/4"

Photo 61-?; 61-?

Type 5 Photo 61-10,
Rec'd 9/6
long 5 1/2" wide 5" circum. 17"
1 1/4" [illegible]. Very fleshy, [illegible].
Fruitlets [illegible], [illegible] yellow when
ripe. Bracts [illegible] [illegible] pointed +
very protruding!

Type 1 [illegible] Photo 61-11

Fruits large & round, deep red purple! Fruits in bunches of five long 8", wide 4 3/4"; circ. 17" Stalk 1 1/4"

Type 2 [illegible] Photo 61-12.

Large round fruits never changing from green color. Ripening gradually. Fruits all red when ripe. Fruits borne singly. Fruit. Grains. 4 1/2" long 6" Circ. 15 1/2" Stalk 1 1/4" Sweet, somewhat fibrous.

3914 Road [illegible]

3915 Road [illegible]

3916 Rue England.

3917 Johnson Fl. [illegible]
Jamie 4 ft. Fall.

3918 [illegible]

3919 [illegible]

Photo 62 - 2

also small, fibrous.

Types of [illegible]:

I. [illegible] Photo 61-1; 11

II. [illegible] Photo 62-12; 63-1

III. [illegible] Photo [illegible]

IV. [illegible] Photo 61-2, 4

V. [illegible] Photo 61-10

VI. [illegible] Photo 61-11

VII. [illegible] Photo 61-1

VIII. [illegible] Photo [illegible]

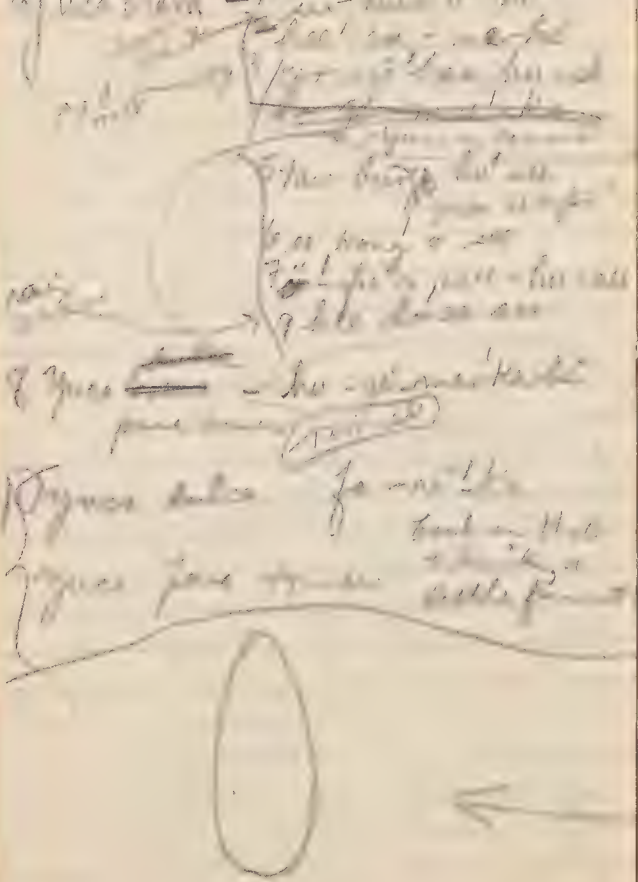
IX. [illegible] Photo 62-4

X [illegible] Photo 62-9

VII [illegible] Photo 62-10

XI [illegible] Photo 62-11

XII [illegible] Photo 64-6
64-7



IX. hwō fee Rē Type 9
Photo 4

purple green, insects 62-4
Smaller than finite,
widest, circumf. 17", long.
6½" stalk. 1¼ in all.

X. Type 10 Photo 62-9
Bu' vro
Subspherical. Bright yellow
orange when ripe - finite &
insects too. Very sweet.

Type VII, hee-do"'-ma
Photo 62-10

Type XI gö'-tau

Type XII Ē'-fa Phobe 64-6 64-7

~~Subfrontal~~. Bright red-yellow. Beaks much longer than female comparisons for this season! ~~Evidently larger.~~ Measurement.

Long 6'
Circ. 14"
Beak 4"
Stack. 1"

3921 Didymopanax Morototoni

Tecticornia Schultesii

Neobrana trsova N. 1912

nó-mĕ fruit = nómĕ-do

---

mŏ-zĕ' gŏ-na

3928 Herb. Gentianaceae. Fl.
Blue violet, interior of throat
white. Along rocky shore.
So-mĕ-dŏ'-a Witoto name.

3929 Arbusto. Fl. pink.
Mahurea tomentosa Duke

3930 Small herb. White, fragr.
Melast.

3931 White fl. Melast. shrub.

3932 Small Euphorb. Herb
Fruit white.

3933 Small shrub Fl. white

3934 Small Tree.

3935 Rubi. shrub. Fl. white

Viaje apostólico de XII-120

En las grandes fiestas solía en
Roma en del trabajo; en que la capilla
y cabildo de la Basílica de S. Pedro
[illegible]

[illegible] de mea influencia una
especie de descanso en todo alrededor,
como si estuviesen escuchando. Hablaba
a la voz, con voz recia para que los
oyan no solamente los allí reunidos,
sino toda la tierra; muchas veces
en una misma idea con distintas
palabras; de un momento, cuando
[illegible] el final de cada párrafo,
[illegible] que no todos los hombres
repiten las últimas palabras en voz
[illegible] ... [illegible]

de sentimiento, y el Sacerdote
mutan el vestido en el rato, los
bajan con el agua que allí hay,
los frotan en la tabla del rebozo y los
chupan con silbido. Temen la
presencia de la lúgubre comunidad de la
noche y no pasan inadvertidos
a nadie."

3935 [illegible]

3937 [illegible]

Bacteria [illegible] Sp.

3939 [illegible] Polyporus [illegible]

3940 Clavaria Patula [illegible]

R. C. Mitchell

3941 Bofinger - Fundus

3942 Lingula - Form

3943 [illegible]

Hö-gö'-nĕ

Polyplantinus fenestratus (Rüdh.) Köln.

3944 [illegible]

3945 [illegible]

3946 [illegible]

3947 Tall Spike of Blue
Fl white.

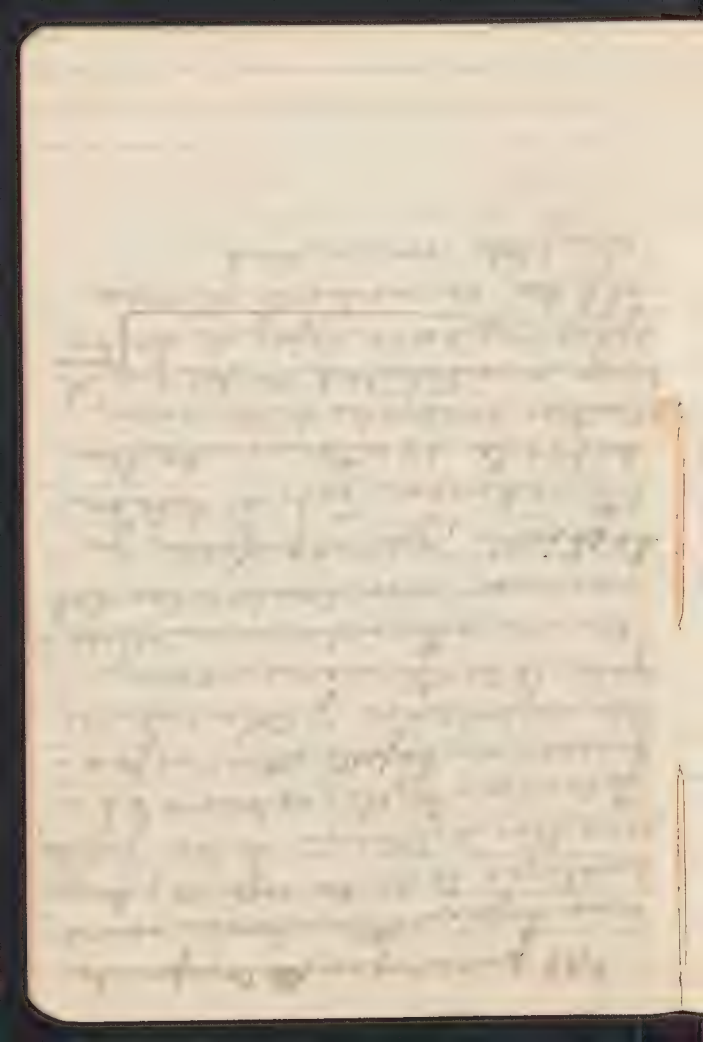
3948 Small tuf. Fl. cauline
Fl. Fl. green. Fl. green
Fl. pink fl. on [illegible]

3949 [illegible]

3950. Grandiflora [illegible]
Fl. Fruit [illegible]
[illegible]

3951 Arenaria, Fl. [illegible]
Pl. [illegible]

3952 [illegible] Fl.



Schulkes:

Ne vse obvide, da se [redacted]
Christmas

s/s Zelnica

Cena Winsk o maturicini

Zupler

3159 From Durango, Colo.

3160 Cañon near "Devil's [illegible]" [illegible]

3161 Cañon [illegible]

3162 Cañon [illegible]

3163 [illegible]

3164 Cañon [illegible]

3165 [illegible]

3166 [illegible]

3967

3968

3969

3970

3970A

3971 Toll free 60-70
ft. - 2 ft. sand loam
Subsoil, white, hard
clay + fine sand below.
2 ft. fine gravel + sand
Subsoil for trees.
Spring 1 half above
[illegible]
Very slight fragments.
Hardy: as -30° Bank Hyslop
[illegible]
Also Rose of Sharon Syringa -
Lilac -30° 10 Kan. below
Cut back frequently.
Part 3

1914 [illegible]

3972 Tree for Tree. 30

3976 Chasm [illegible]
[illegible]

3977 [illegible]

3978 Fabric. [illegible]
[illegible]

10) Cassava
11) yuca brava
12)

Iraco ño-tá-kai
for baskets
yuca brava hú-hẽ
mata pus éwaraka

Agules Gomez & Co. La Tagua.
boly prieto, Caleta roto y flaco,
Cuchó, sumgo, perilla.

3996 Cecropia. Tall tree. Cocoa
ades

3997. Fragrant Asclep vine. Fl
clear white petals purple pis-
ops. White milk

3998 Very fragrant Asclep. vine.
White flowers. Milk

3999 Very tall Ficus. Photos

$4000 Thunbergia. Fl. orange
red. Photos.

$4001 Sap. fruit red. seed whit.
vine

$4002 "Palo de Tinta"

4003 Palm 50 ft tall. leaves
3m. or more Fl. yellow.

hai-de-kwé adios
ee-kó-a
eé'tc rositja ?

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